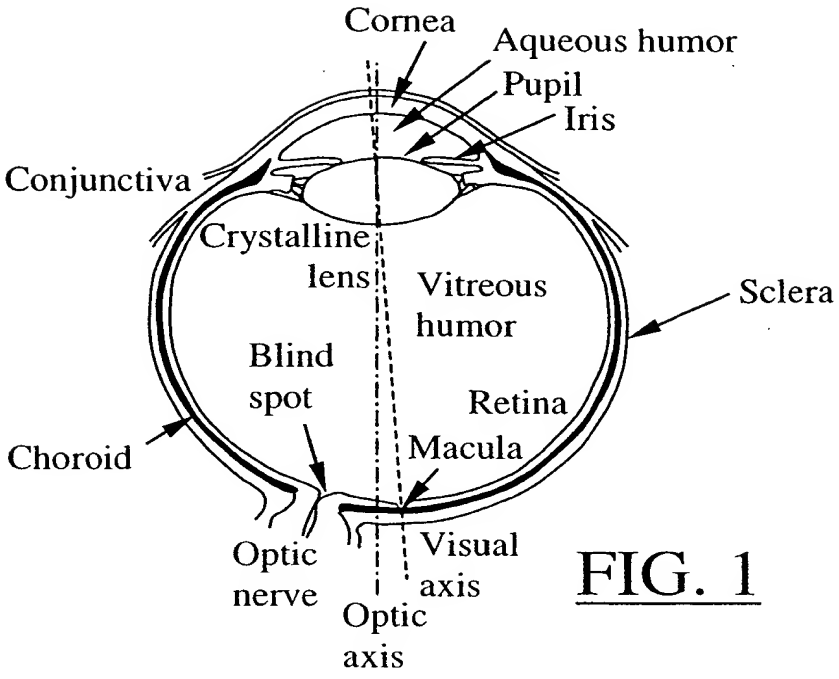

Cornea
Aqueous humor
Pupil
Iris
Conjunctiva
Crystalline lens
Vitreous humor
Sclera
Blind spot
Retina
Choroid
Macula
Optic nerve
Visual axis
Optic axis

FIG. 1

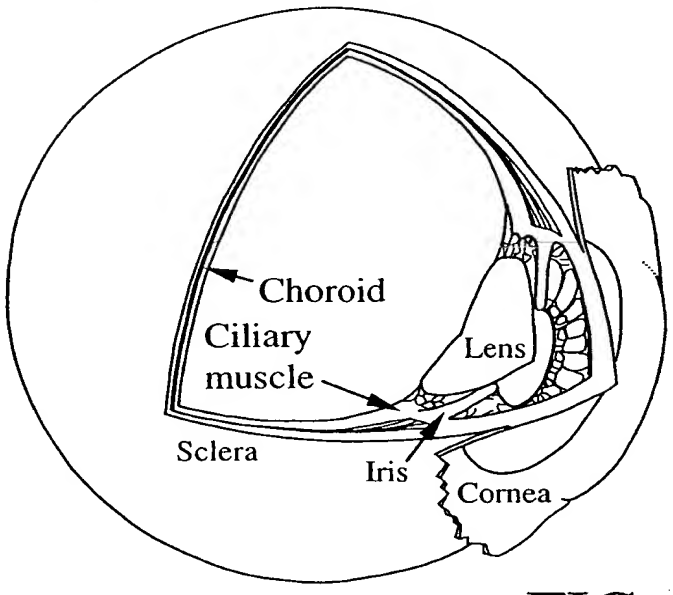

Choroid
Ciliary muscle
Lens
Sclera
Iris
Cornea

FIG. 2

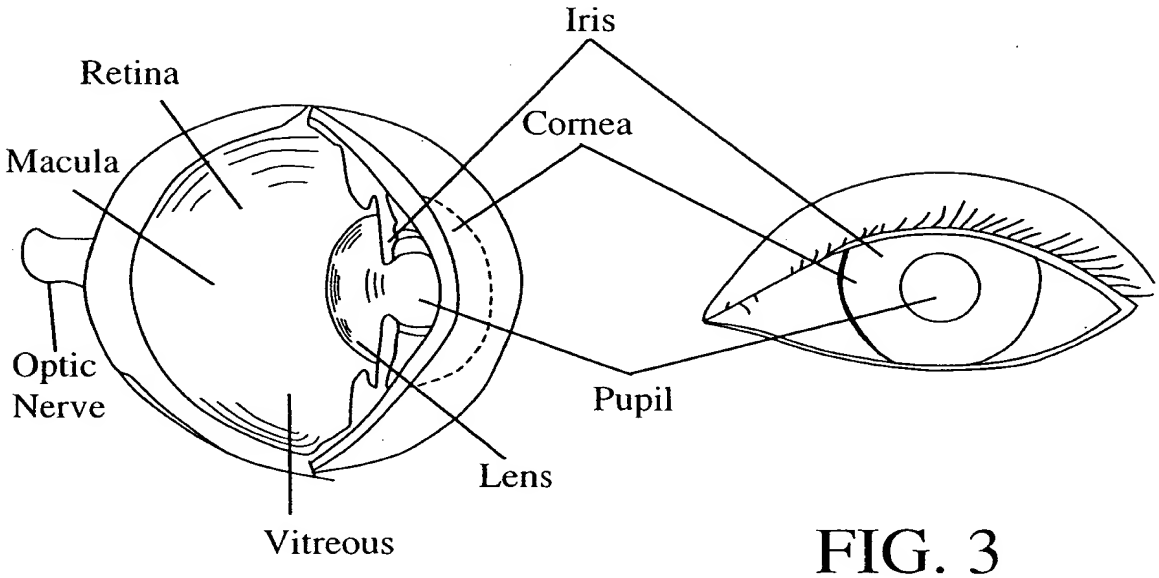

Iris
Retina
Cornea
Macula
Optic
Nerve
Pupil
Lens
Vitreous

FIG. 3

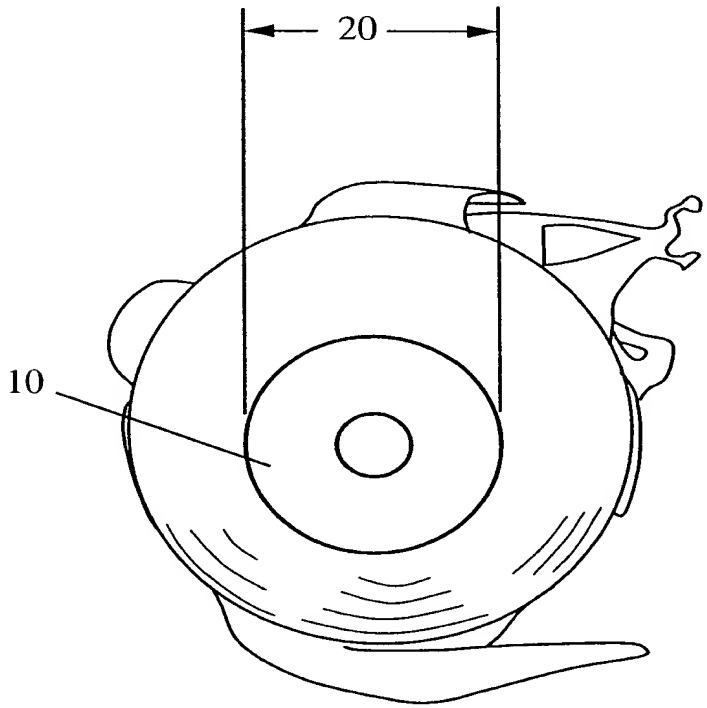

20
10

FIG. 4

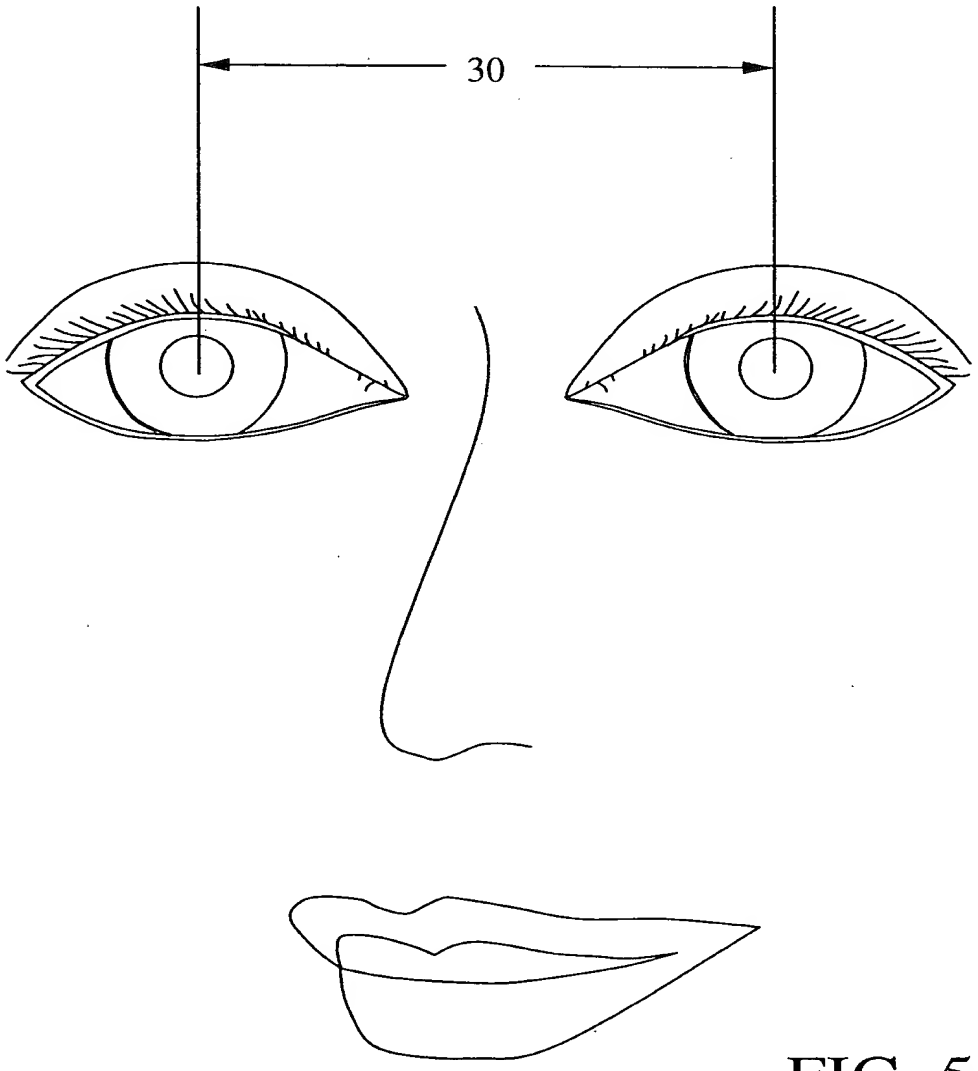


FIG. 5

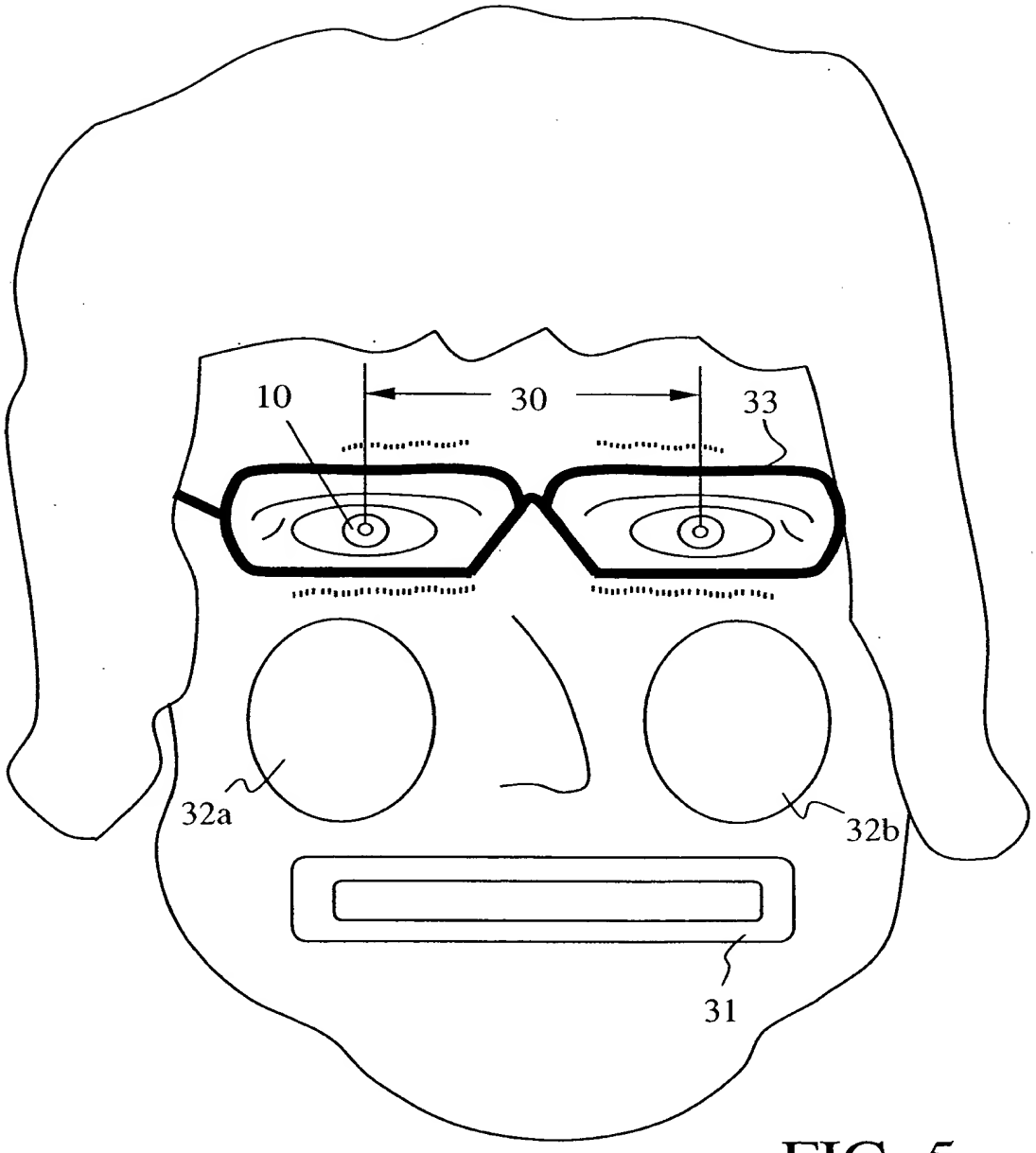
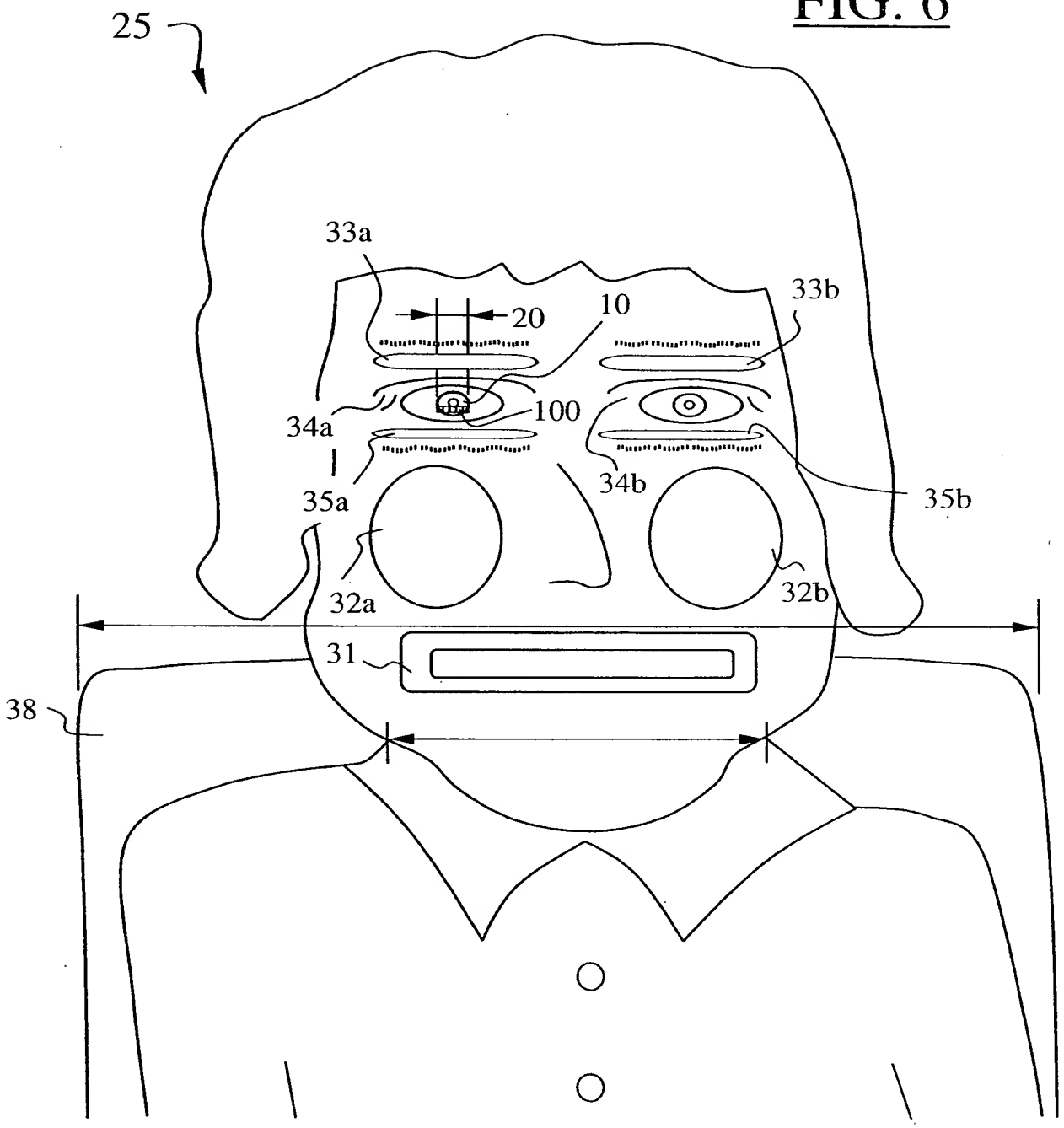


FIG. 5a

FIG. 6



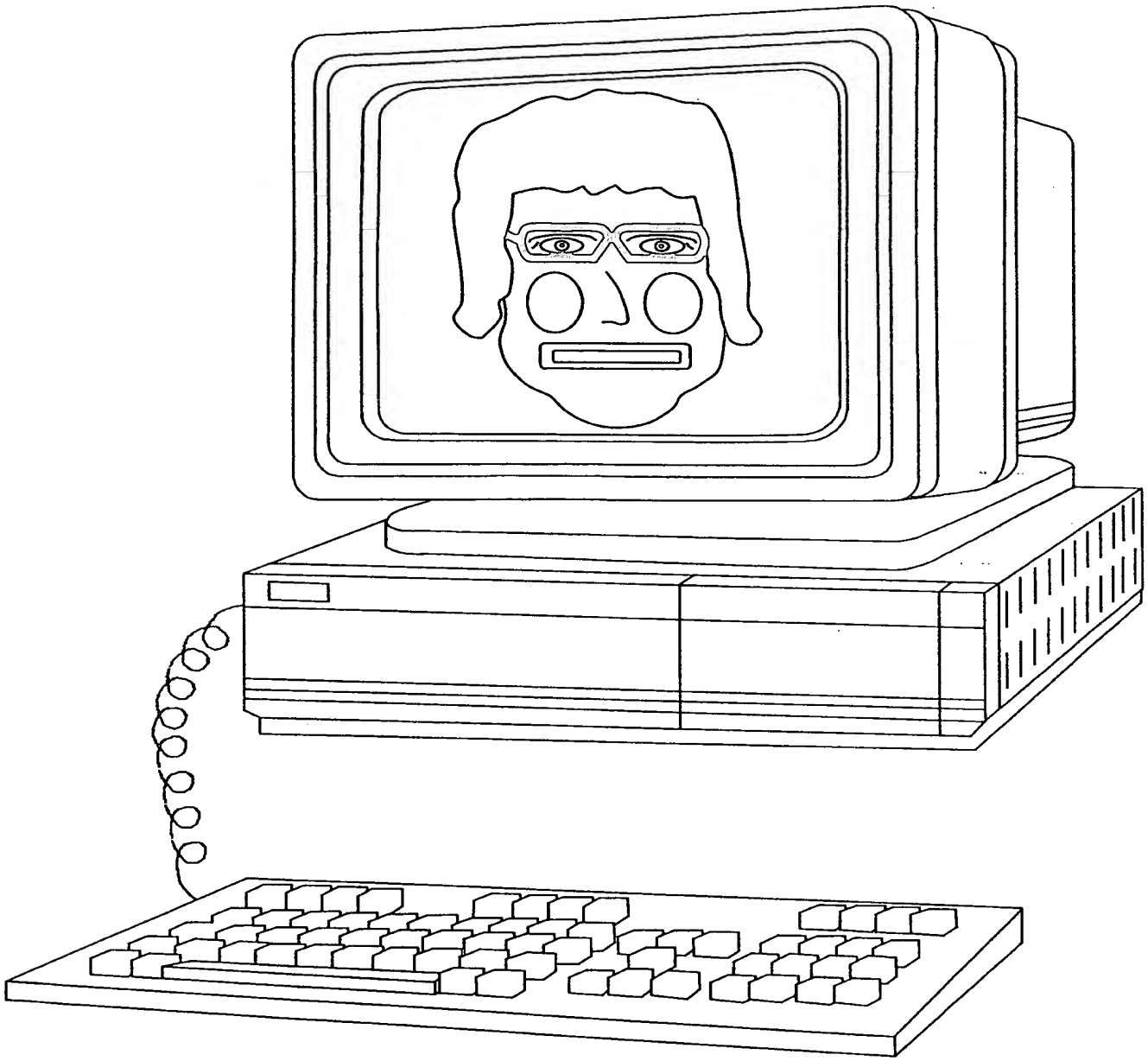


FIG. 7

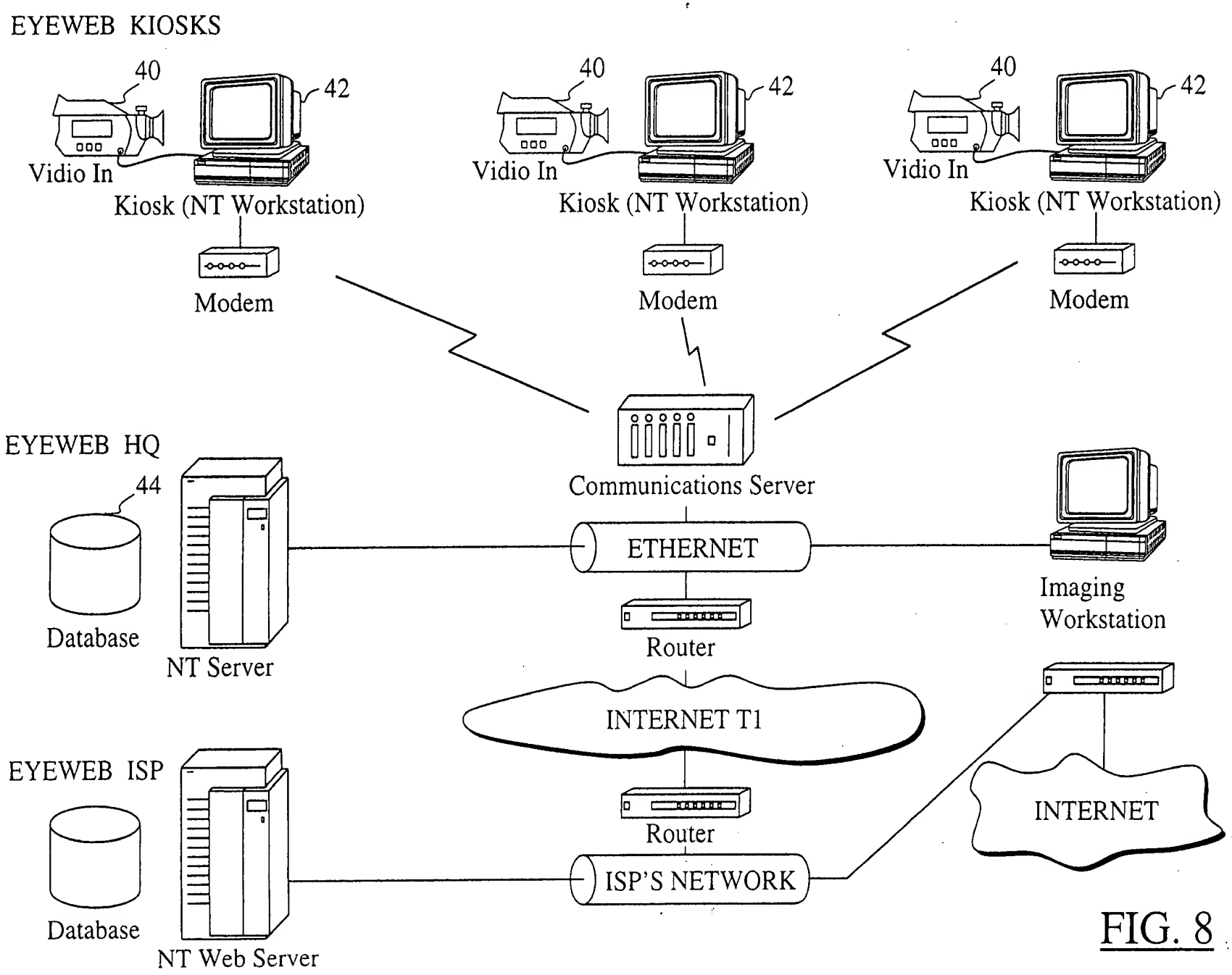

EYEWEB KIOSKS
40
42
Vidio In
Kiosk (NT Workstation)
Modem
EYEWEB HQ
44
Database
NT Server
Communications Server
ETHERNET
Router
Imaging Workstation
INTERNET T1
Router
ISP'S NETWORK
INTERNET
EYEWEB ISP
Database
NT Web Server

FIG. 8

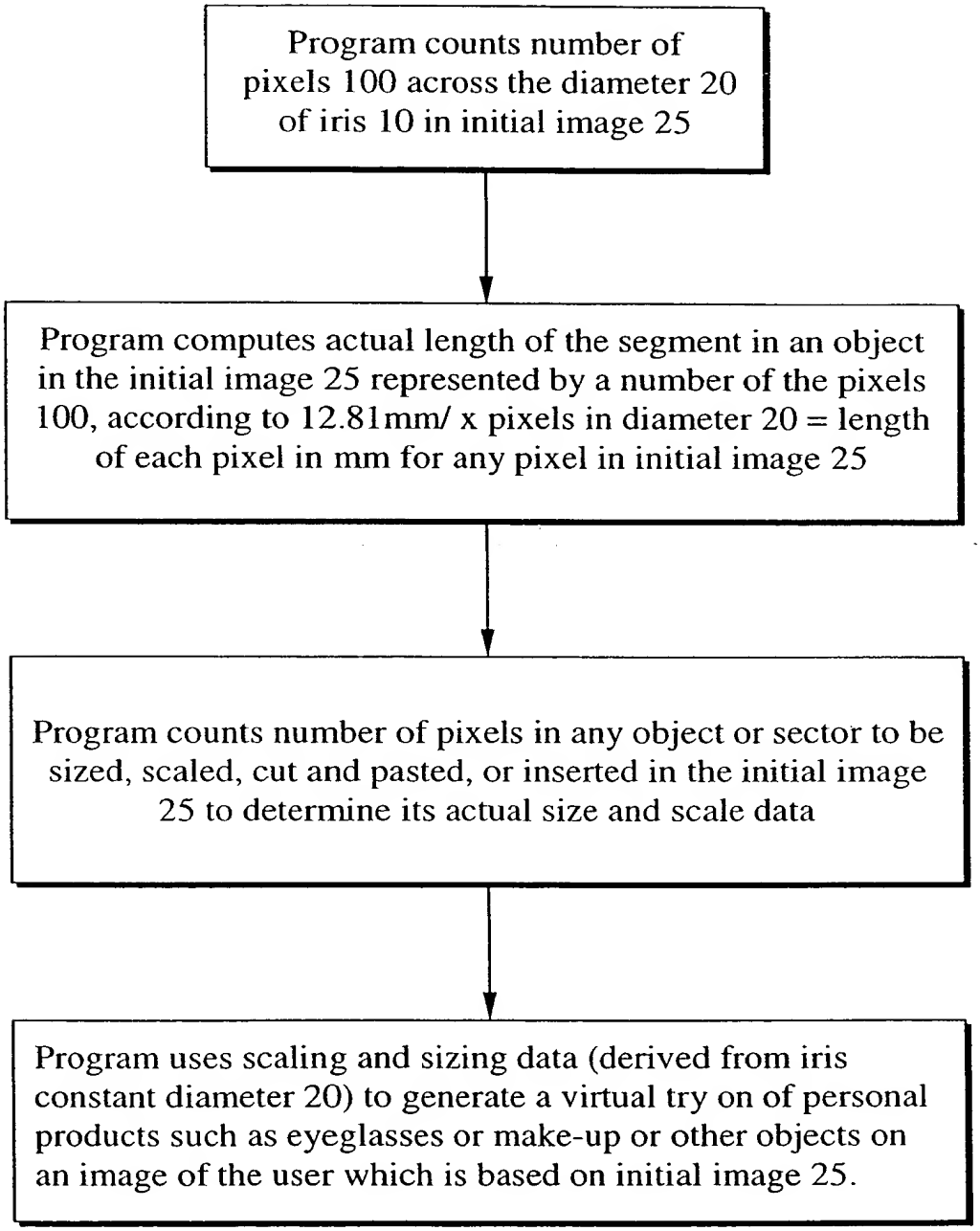

Program counts number of pixels 100 across the diameter 20 of iris 10 in initial image 25
Program computes actual length of the segment in an object in the initial image 25 represented by a number of the pixels 100, according to 12.81mm/ x pixels in diameter 20 = length of each pixel in mm for any pixel in initial image 25
Program counts number of pixels in any object or sector to be sized, scaled, cut and pasted, or inserted in the initial image 25 to determine its actual size and scale data
Program uses scaling and sizing data (derived from iris constant diameter 20) to generate a virtual try on of personal products such as eyeglasses or make-up or other objects on an image of the user which is based on initial image 25.

FIG. 9